

# MATERIAL SAFETY DATA SHEET

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## Section 1. Chemical Product and Company Identification

Product Name: <b>Vigoro Bulb Food 6-12-12</b>	
Manufacturer's Name IMC VIGORO	Emergency Telephone Number CHEMTREC 800-424-9300
Address (Number, Street, City, State, and ZIP Code) P.O. Box 512  Winter Haven FL 33882	Telephone Number For Information 888-844-6761  Date Prepared 4 September 1996
	Signature of Preparer (optional) Michael Archer, ASSE

## Section 2. Composition / Information on Ingredients

Component - one or more of the following:	CAS Registry #	Exposure Limits	
		ACGIH TLV	OSHA PEL
V-Cote	Mixture	Not est.	10 mg/m3
Ammonium phosphate	7783-28-0	Not est.	10 mg/m3
Potassium chloride	7447-40-7	Not est.	10 mg/m3
Copper oxy-sulfate	Mixture	Not est.	10 mg/m3
Iron EDTA-HEEDTA	Mixture	Not est.	10 mg/m3
Iron oxy-sulfate	Mixture	Not est.	10 mg/m3
Magnesium oxy-sulfate	Mixture	Not est.	10 mg/m3
Manganous oxy-sulfate	Mixture	Not est.	10 mg/m3
Zinc oxy-sulfate	Mixture	Not est.	10 mg/m3
Potassium-magnesium sulfate	Mixture	Not est.	10 mg/m3
Limestone granules	Mixture	Not est.	10 mg/m3
Absorbent	Mixture	Not est.	10 mg/m3

## Section 3. Hazards Identification

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### EMERGENCY OVERVIEW

Will cause moderate eye irritation. Avoid contact with open sores.

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### POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Will cause moderate eye irritation.

INHALATION: No adverse effects expected.

SKIN CONTACT: No adverse effects expected.

INGESTION: May cause irritation of gastro-intestinal passages.

CHRONIC EFFECTS / CARCINOGENICITY: No effects known.

## Section 4. First Aid Measures

EYE CONTACT: Flush eyes with water for 15 minutes. Get medical attention if irritation persists.

SKIN CONTACT: Wash thoroughly with soap and water.

INGESTION: Drink 2-3 glasses of water and induce vomiting. Get medical attention.

NOTE TO PHYSICIAN: Treat adverse effects symptomatically. Product contains fertilizer salts.

## Section 5. Fire Fighting Measures

### FLAMMABLE PROPERTIES:

FLASH POINT: Not applicable

METHOD USED: Not applicable

### FLAMMABLE LIMITS

LFL: Not applicable

UFL: Not applicable

EXTINGUISHING MEDIA: Use fire fighting media as for surrounding fire.

FIRE & EXPLOSION HAZARDS: Cyanic acid, NH3, HCN, CO, NOx, biuret and phosphates. Does not contain ammonium nitrate.

FIRE FIGHTING INSTRUCTIONS: Keep all persons upwind of smoke and vapors. Waters from fire fighting may be hazardous and should be contained to prevent their access into natural and drinking waters. Analyze waste waters before disposal.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and full body protection.

**Section 6. Accidental Release Measures**

Sweep up material as soon as spilled to prevent contamination. Repackage in labeled container and use as directed on original package label.

**Section 7. Handling and Storage**

Do not contaminate water, food or feed by storage. Store in dry secure location away from children and pets.

**Section 8. Exposure Controls / Personal Protection**

ENGINEERING CONTROLS: Use outdoors only.

RESPIRATORY PROTECTION: None required if PEL is expected to be below 10 mg/m<sup>3</sup>.

SKIN PROTECTION: None required.

EYE PROTECTION: Use eye protection if granules may come in contact with eyes.

**Section 9. Physical and chemical Properties**

APPEARANCE:	Granules	PHYSICAL STATE:	Dry
BOILING POINT:	Not applicable	SOLUBILITY IN WATER:	70-100 %
EVAPORATION RATE:	Not applicable	SPECIFIC GRAVITY:	1.2
FREEZING POINT:	Not applicable	VAPOR DENSITY:	Not applicable
MELTING POINT:	Not applicable	VAPOR PRESSURE:	Not applicable
MOLECULAR WEIGHT:	Not applicable	VISCOSITY:	Not applicable
ODOR:	None	% VOLATILE:	None
pH:	6.0-8.0		

**Section 10. Stability and Reactivity**

CHEMICAL STABILITY: Stable

INCOMPATIBILITY: Strong acids

HAZARDOUS DECOMPOSITION PRODUCTS: Cyanic acid, NH<sub>3</sub>, HCN, CO, NO<sub>x</sub> and biuret.

HAZARDOUS POLYMERIZATION: Does not occur.

**Section 11. Toxicological Information**

EYE: No specific data.

SKIN: Not considered to be a sensitizer.

INGESTION: No specific data.

INHALATION: No specific data. Unlikely route of entry.

CHRONIC/CARCINOGENICITY: Not listed on IARC, NTP or OSHA lists as a carcinogen.

**Section 12. Ecological Information**

ECOTOXICOLOGICAL INFORMATION: Keep out of natural and drinking waters. High concentrations at flow source into bodies of water may cause temporary conditions unfavorable for aquatic organisms.

**Section 13. Disposal Considerations**

Material disposal: Reuse if possible. Material contaminated with dirt can be reused. If reuse is not possible, dispose of on site or at an approved waste disposal facility.

Container disposal: Place in trash for disposal at an approved waste disposal facility.

**Section 14. Transport Information (Not meant to be all inclusive)**

D.O.T. SHIPPING NAME: Not regulated by DOT

**Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)**

OSHA STATUS: Not listed.

TSCA STATUS: All components listed.

CERCLA REPORTABLE QUANTITY: RQ 460 lbs.

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: Not listed.

SECTION 311/312 HAZARDOUS CATEGORIES: Not listed.

SECTION 313 TOXIC CHEMICALS: Not listed.

RCRA STATUS: Not listed.

CALIFORNIA PROPOSITION 65: Not listed.

**Section 16. Other Information**

Information given herein is given in good faith, but no warranty, express or implied, is made. Information is accurate as of date noted. IMC Vigoro assumes no liability for product not used in accordance with label directions. Information for this Material Safety Data Sheet (MSDS) is compiled from individual component MSDS, product specification sheets and various regulatory resources.